

ABSTRACT OF THE DISCLOSURE

The invention relates to an apparatus and method for fabricating FRP parts. More specifically, the invention relates to a method for forming FRP parts without the use of forms or molds. According to a preferred embodiment of the present invention, the method for fabricating an FRP part comprises the steps of: programming a readable definition of a part into a machine, wherein the machine moves an extrusion head mounted to the machine in a controlled pattern; and wherein the machine regulates the speed of extrusion from the extrusion head; feeding a fiber reinforcement to the extrusion head of the machine; impregnating the fiber reinforcement with a radiation-initiated resin; extruding the impregnated fiber reinforcement from an orifice in the extrusion head; and exposing the extruded fiber reinforcement to curing radiation.